Program Description/Textbook or Print Instructional Material

Vendor: Pearson Education, Inc., publishing as Pearson Prentice Hall   Web Address: www.phschool.com

Title: **AutoCAD 2002: One Step at a Time**

Author: Sykes   Copyright: 2002

ISBN: 0-13-066270-4   Course/Content Area: Computer Aided Drafting

Intended Grade or Level: 9-12   Readability Level: Not Available

List Price: $ 59.96   Lowest Wholesale Price: $ 49.97

Level of Accommodations (Level One, Two, or Three)   Three

If Level Two or Three, please provide rationale for not meeting Level One Compliance.   Pearson Prentice Hall is unable to provide files in Levels One or Two due to the variety of page layout systems used to create the text. These systems are not compatible with specialized formats such as XML or HTML.

FEATURES

DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

Content

This advanced text continues with the same excellent techniques and procedures as did the AutoCAD 2000 text. It provides students with step-by-step instructions that explain the task, show it being done, any tools to make it easier, and how the results should appear on the computer screen. It provides a three-prong approach to teaching AutoCAD by integrating text, CD-ROM, and Web-based support to create a complete learning system. A visual approach with over 2500 graphics and 100 drawing files that support the text are presented. The CD provides instruction to students even when they have left the class. Independent projects encourage students to review and refer to previous lessons to complete projects for a variety of disciplines and mastery levels.

Student Experiences

Students using this text and the ancillaries will find they have a tremendous support system in the text and with the CD-ROM that gives them practice even after they have left the classroom. The projects will encourage the students to review the materials and look for ways to complete the projects. There are 190 "Do This" guided exercises--Divided into three columns: Steps, Command Sequence, and Tools. Frees instructors from instructional chores so they can focus on other areas of student development. Extra "Steps" section provides students with added features, bits of knowledge, or suggestions for further study to promote learning after covering the basic material.

Assessment

Assessment activities are built into the text as students use the materials to complete projects and exercises. In addition the Website will provide additional online practice quizzes.

Organization

AutoCAD 2002: One Step at a Time is organized in 6 chapters - Getting Started with AutoCAD, Beyond the Basics, Some More Advanced Techniques, Razzle Dazzle, Drawing Display and Arrangement, and

AutoCAD Interfaces with Drawings, Images, and Other Programs. Each chapter, broken into lessons, concludes with Extra Steps, What We Have Learned, Exercises, and Review Questions.

Resource Materials

- **Gratis Items To Be Provided And Under What Conditions**

No gratis items are provided with this student text.

- **Available Ancillary Materials**

Website: www.prenhall.com

RESEARCH DATA/EVIDENCE OF EFFECTIVENESS

DISCLAIMER: The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

The text and ancillaries have been thoroughly reviewed and tested by professionals in the AutoCAD field and by educators in the classroom. The accuracy of content and the methodology provided in the materials have been reviewed carefully.

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Technology Education

Title: AutoCAD 2002-One Step at a Time $49.97	

Publisher: Prentice Hall	

Item Evaluated: Text, CD	

Copyright Date: 2002	**Evaluator:** Kay Turner
Content Level: 9-12	**Date of Evaluation** 7/31/03

Level of Alternative Format	Level 1 – Full Compliance	Level 2 – Provisional Compliance	Level 3 – Marginal Compliance
This section completed by Exceptional Children Services			

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

Recommendations:
X Recommended by reviewers to State Textbook Commission
☐ Not recommended by reviewers to State Textbook Commission

Publisher's Explanation of Reviewer's Comments: By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Technology Education

Title: AutoCAD 2002-One Step at a Time	**Publisher** Prentice Hall

Technology Management Summary Data:	20 possible points	____14_____ points earned
Technology Management Comments:		

Technology Presentation/Interface Summary Data:	40 possible points	_____34_____ points earned
Technology Presentation/Interface Comments:		

Content Summary Data:	20 possible points	____17_____ points earned
Content Comments:		

Instruction & Management Summary Data	52 possible points	_____45_____points earned
Instruction & Management Comments:		

Organization & Structure Summary Data	36 possible points	____28_____ points earned
Organization & Structure Comments:		

Resource Material Summary Data	40 possible points	___29_____points earned
Resource Material Comments:		

Group V - Career /Technical & Vocational/Practical Living
Electronic Instructional Media Review Form
Stand Alone/Independent or Integrated Software for Technology Education

Equipment (circle or change fill color)	Grade Level (circle or change fill color)	Audience (circle or change fill color)	Format (circle or change fill color)
Windows	Primary	**Individual**	Stand Alone/Independent
Macintosh	Intermediate	Small Group	**Integrated**
CD-ROM	Middle	Large Group	Supplemental
DVD	**High**		In lieu of basal test
Sound			
Other			

If other, explain

Cost _____

_____single copy	_____site license
_____network version	_____school version
____lab pack of ___ copies	_____online

Type of Software: Check all that apply	__x__Simulation	_____Management	_____Interdisciplinary	_x___Problem Solving	_x___Tutorial
	_____Exploratory	___x__Creativity	_x___Drill and Practice	___x__Critical Thinking	_____Utility	_____Other:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	4
Allows students to exit and resume at a later time.	4
Keeps a students performance record, where needed.	1
Allows control of various aspects of the software (e.g., turning sound off).	4
Allows for printed reports.	1
Comments:	**Total 14**

Presentation/Interface	Rating
Presents material in an organized manner.	4
Has consistent, easy-to-use, on-screen instructions.	4
Has developmentally correct presentation format.	4
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	3
Accessible for special needs students.	1
Runs smoothly, without long delays.	3
Presents easy-to-view text and graphics.	3
Presents easy-to-hear and understand sounds.	4
Avoids unnecessary screens, sounds, and graphics.	4
Provides immediate, appropriate feedback.	**4**
Comments:	**Total 34**

Content—Technology Education	Rating
Nature of Technology	3
Technology and Society	4
Design	3
Abilities for a Technological World	4
The Design World	3
Comments:	**Total** **17**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	4
Builds on Student Ideals	4
Engages Students	4
Develops Technology Ideas	4
Promotes Student Thinking	4
Assesses Student Progress	4
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	3
Commonwealth Accountability Testing System (CATS) "like" Assessment is provided	1
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	3
Includes activities and opportunities for integration of technology.	3
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	4
Differentiation techniques and activities suggested.	3
Comments:	**Total** **45**

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	4
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	4
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	1
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	3
Student materials seem durable and conducive to daily use.	3
Includes sufficient glossary, index and appendices.	2
Employs accurate grammar and spelling	4
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	3
Comments:	**Total** **28**

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	4
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	3
Extension activities including adaptations and accommodations for students with special needs.	1
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	4
Suggestions are made for integration of themes and /or interdisciplinary instruction.	3
Integration opportunities suggested and examples given.	2
Teacher resources are available online.	4
Online resources available – Repeat of information in text.	4
Online resources available – Practice skills only.	0
Online resources available – New application materials.	4
Comments:	**Total** **29**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable